

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:
Joseph TEIXEIRA

Serial No. 09/772,959

Filed: January 31, 2001

For: SYSTEM AND METHOD FOR SWITCHING DIGITAL SUBSCRIBER LINE
SERVICE

Atty. Docket: 19176.0006

Art Unit: 2664

Examiner: Unassigned

PETITION TO MAKE SPECIAL UNDER M.P.E.P. § 708.02

Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicant hereby petitions the Commissioner of Patents and Trademarks to make this application special under the special examining procedure for accelerated examination recited in M.P.E.P. § 708.02. In accordance with M.P.E.P. § 708.02, Applicant authorizes the Commissioner to charge \$ 130.00 to Deposit Account No. 19-5127, Order No. 19176.0006 to cover the fee for this Petition as set forth in 37 C.F.R. § 1.17 (h). No additional fees are believed to be necessary. In the event that additional fees are required in connection with the filing of this Petition, please charge the fees to Deposit Account No. 19-5127, Order No. 19176.0006.

All claims presented herein for examination are directed to a single invention.

However, if it is determined that restriction is required, Applicant agrees to make an

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election in accordance with established telephone restriction practices upon notification of the requirement for restriction.

Also in accordance with M.P.E.P. § 708.02, Applicant affirms that a pre-examination search has been conducted to identify the existence of prior art related to the subject matter of the present invention. The classes and subclasses searched include 370/352, 379/12, 379/22.04, 379/201, and 379/242.

The most pertinent references uncovered during the aforementioned search are described in detail herein below. A copy of each reference is enclosed and listed on PTO Form 1449.

DETAILED REMARKS

Applicant submits that the present patent application discloses and claims a system and method for switching digital subscriber line service in which new connections are switched in and obsolete connections are switched out.

U.S. Patent No. 6,434,221 entitled "DIGITAL SUBSCRIBER LINE ACCESS AND NETWORK TESTING MULTIPLEXER," issued to Chong, appears to disclose a Digital Subscriber Line Access Multiplexer that includes a test and switching unit that is coupled to the redundancy bus, and includes a relay matrix and a Copper Loop Tester (CLT). In response to commands received from the control unit, the relay matrix may route redundancy bus signals to the CLT and/or the redundant xDSL modem card. Chong does not teach or suggest providing digital subscriber line service for a first

subscriber via a cross-connect switch connected to a digital subscriber line access multiplexer connected to a digital telecommunications network. Moreover, Chong does not teach or suggest switching out the connection of the data processing equipment of first subscriber to the digital access multiplexer in response to receiving an indication that the first subscriber has terminated services.

U.S. Patent No. 6,434,141 entitled "COMMUNICATION MANAGEMENT SYSTEM AND METHOD," issued to Oz et al., appears to disclose a broadband multimedia system for directing data received from media sources to network transmitters for transmitting over a broadband network. Oz et al. does not teach or suggest providing digital subscriber line service for a first subscriber via a cross-connect switch connected to a digital subscriber line access multiplexer connected to a digital telecommunications network. Moreover, Oz et al. does not teach or suggest switching out the connection of the data processing equipment of first subscriber to the digital access multiplexer in response to receiving an indication that the first subscriber has terminated services.

U.S. Patent No. 6,404,763 entitled "SYSTEM AND METHOD FOR COMMUNICATING TELECOMMUNICATION INFORMATION BETWEEN NETWORK EQUIPMENT AND A PLURALITY OF LOCAL LOOP CIRCUITS," issued to Renucci et al., appears to disclose a system for communicating telecommunication information between a telecommunication switch and multiple local

loop circuits including a cross connect that communicates analog telephone signals to a selected local loop circuit. Renucci et al. does not teach or suggest providing digital subscriber line service for a first subscriber via a cross-connect switch connected to a digital subscriber line access multiplexer connected to a digital telecommunications network. Moreover, Renucci et al. does not teach or suggest switching out the connection of the data processing equipment of first subscriber to the digital access multiplexer in response to receiving an indication that the first subscriber has terminated services.

U.S. Patent No. 6,393,019 entitled "MATRIX SWITCH," issued to Dobashi et al., appears to disclose a matrix switch comprising a matrix switch main body (2), a preprocessing block (1) provided on an input side of the matrix switch main body (2), and a postprocessing block (3) provided on an output side of the matrix switch main body. Dobashi et al. does not teach or suggest providing digital subscriber line service for a first subscriber via a cross-connect switch connected to a digital subscriber line access multiplexer connected to a digital telecommunications network. Moreover, Dobashi et al. does not teach or suggest switching out the connection of the data processing equipment of first subscriber to the digital access multiplexer in response to receiving an indication that the first subscriber has terminated services.

U.S. Patent No. 6,359,858 entitled "SWITCHING REDUNDANCY CONTROL," issued to Smith et al., appears to disclose an apparatus and method for switching

redundancy control which provides fast switching from a malfunctioning component to a redundant component that is capable of monitoring itself to detect failures and the APS Hub is outfitted so as to become aware of detected failures and initiate a switch in the appropriate selectors or ATM selectors so as to change the traffic being further processed from the failed working component to the redundant component. Smith et al. does not teach or suggest providing digital subscriber line service for a first subscriber via a cross-connect switch connected to a digital subscriber line access multiplexer connected to a digital telecommunications network. Moreover, Smith et al. does not teach or suggest switching out the connection of the data processing equipment of first subscriber to the digital access multiplexer in response to receiving an indication that the first subscriber has terminated services.

U.S. Patent No. 6,347,075 entitled "CIRCUIT TO PROVIDE BACKUP TELEPHONE SERVICE FOR A MULTIPLE SERVICE ACCESS SYSTEM USING A TWISTED PAIR," issued to Barzegar et al., appears to disclose a subscriber link to a central office that provides normal telephone service in the event of an equipment failure. A fail-safe mechanism allows at least one chosen phone to function in the event of a failure. The chosen phone must be capable of pulse or DTMF dialing. Barzegar et al. does not teach or suggest providing digital subscriber line service for a first subscriber via a cross-connect switch connected to a digital subscriber line access multiplexer connected to a digital telecommunications network. Moreover, Barzegar et al. does not teach or suggest switching out the connection of the data processing equipment of first subscriber

to the digital access multiplexer in response to receiving an indication that the first subscriber has terminated services.

U.S. Patent No. 6,343,114 entitled "REMOTELY ADDRESSABLE MAINTENANCE UNIT," issued to Chea, Jr., appears to disclose a remotely addressable maintenance unit (RAMU) working in conjunction with a test head at the central office for detecting and locating faults in digital subscriber loop (DSL) and/or plain old telephone system (POTS) environments that includes circuitry for setting and resetting one or more relays for either normal or testing/maintenance mode. Chea, Jr. does not teach or suggest providing digital subscriber line service for a first subscriber via a cross-connect switch connected to a digital subscriber line access multiplexer connected to a digital telecommunications network. Moreover, Chea, Jr. does not teach or suggest switching out the connection of the data processing equipment of first subscriber to the digital access multiplexer in response to receiving an indication that the first subscriber has terminated services.

U.S. Patent No. 6,295,339 entitled "AUDIO VERIFICATION OF DIGITAL SUBSCRIBER LINE CONNECTION," issued to Jollota, appears to disclose a system for testing a telephone line and connecting digital subscriber line (DSL) by dispatching a technician to a remote site who controls the testing and connection process through a test apparatus. Jollota does not teach or suggest providing digital subscriber line service for a first subscriber via a cross-connect switch connected to a digital subscriber line access

multiplexer connected to a digital telecommunications network. Moreover, Jollota does not teach or suggest switching out the connection of the data processing equipment of first subscriber to the digital access multiplexer in response to receiving an indication that the first subscriber has terminated services.

U.S. Patent No. 6,072,793 entitled "ELECTRONICALLY CONTROLLED MAIN DISTRIBUTING FRAME," issued to Dunn et al., apparently discloses an electronically controlled main distribution frame used to connect and disconnect subscribers to various services. Dunn et al. does not teach or suggest providing digital subscriber line service for a first subscriber via a cross-connect switch connected to a digital subscriber line access multiplexer connected to a digital telecommunications network. Moreover, Dunn et al. does not teach or suggest switching out the connection of the data processing equipment of first subscriber to the digital access multiplexer in response to receiving an indication that the first subscriber has terminated services.

U.S. Patent No. 6,069,949 entitled "CENTRAL OFFICE PROVIDING SERVICES FOR HIGH USAGE CUSTOMERS" issued to Schuenhoff et al., appears to disclose a system for offering services, such as Internet service, to high usage customers without adversely degrading telephone service to other customers. Schuenhoff et al. does not teach or suggest providing digital subscriber line service for a first subscriber via a cross-connect switch connected to a digital subscriber line access multiplexer connected to a digital telecommunications network. Moreover, Schuenhoff et al. does not teach or

suggest switching out the connection of the data processing equipment of first subscriber to the digital access multiplexer in response to receiving an indication that the first subscriber has terminated service.

U.S. Patent No. 5,704,115 entitled "METHOD OF BUILDING AN EXPANDABLE WIRING DISTRIBUTION FRAME," issued to Warburton, discloses a method of manufacturing a self closing main distribution frame. Warburton does not teach or suggest providing digital subscriber line service for a first subscriber via a cross-connect switch connected to a digital subscriber line access multiplexer connected to a digital telecommunications network. Moreover, Warburton does not teach or suggest switching out the connection of the data processing equipment of first subscriber to the digital access multiplexer in response to receiving an indication that the first subscriber has terminated services.

U.S. Patent No. 5,619,562 entitled "METHOD AND SYSTEM FOR REMOTELY ACTIVATING/CHANGING SUBSCRIBER SERVICES IN A PUBLIC SWITCHED TELEPHONE NETWORK," issued to Maurer et al., appears to disclose a system and method for remotely activating service by a field technician for subscribers in a public switched telephone network. Maurer et al. does not teach or suggest providing digital subscriber line service for a first subscriber via a cross-connect switch connected to a digital subscriber line access multiplexer connected to a digital telecommunications network. Moreover, Maurer et al. does not teach or suggest switching out the connection

of the data processing equipment of first subscriber to the digital access multiplexer in response to receiving an indication that the first subscriber has terminated services.

U.S. Patent No. 5,459,644 entitled "WIRING DISTRIBUTION FRAME," issued to Warburton, appears to disclose a self closing main distribution frame. Warburton does not teach or suggest providing digital subscriber line service for a first subscriber via a cross-connect switch connected to a digital subscriber line access multiplexer connected to a digital telecommunications network. Moreover, Warburton does not teach or suggest switching out the connection of the data processing equipment of first subscriber to the digital access multiplexer in response to receiving an indication that the first subscriber has terminated services.

CONCLUSION

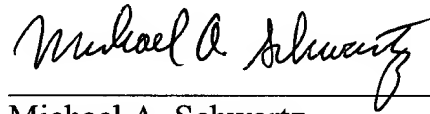
In view of the foregoing, Applicant respectfully submits that the requirements of M.P.E.P. § 708.02 have been met. In addition, the pending claims are all allowable over the references described above when considered either individually or in any reasonable combination. Accordingly, Applicant requests that this Petition to Make Special be granted and proceed for expedited prosecution on the merits and allowance.

Respectfully submitted,

Dated:

8-9-02

By:



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